

ART 34 AMDT

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CLAIMS

1. Connection means intended to be placed below the outer bone surface which connection means is further intended to be connected to a bone anchored percutaneous transferring device for transferring electrical information/energy to and/or from an implanted unit or for the administration of a drug or evacuation or airing of internal cavities,

characterized in

that the connection means (21) which is intended to be placed below the outer bone surface is releasably arranged to said transferring device comprises a substantially cylindrical unit having tightening surfaces (23) in relation to said transferring device, and a connecting surface for the connection of a fixing means for the fixation to said transferring device (11).

2. Connection means according to claim 1, **characterized in** that it comprises a through opening provided with a membrane (83).

3. Transferring device for communication to/from an implanted unit or for the administration of a drug, comprising a body part being introducable into a bone, and a part being present above the bone surface, and comprising a substantially cylindrical body (11), and to be used in a connection means according to ~~claims 1-2~~ ^{claim 1},

characterized in

that the part (11) of the transferring device situated above the bone surface contains a number of radial arms (12) arranged to be fastened to the bone (1) into which the device will be introduced.

4. Transferring device according to claim 3, **characterized in**

that the radial arms (12) are bendable and turnable for adaptation to the substrate.

5. Transferring device according to claim 3, **characterized in**

that the cylindrical body (11) has such surface property that it is an integral unit towards to tissue after operation therein.

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6. Transferring device according to claim 3, **characterized** in that the body part (14) situated above the bone surface consist of two individual parts (14', 14'') which are connected to each other by means of a releasable joint.

5 7. Transferring device according to claim 3, **characterized** in that the upper part (14) of the body (11) is provided with a weakened zone.

8. Transferring device according to ~~claim 1-2~~ ^{claim 1}, **characterized** in that it shows a through going hole (18) in its bottom part (17) having tightening connection
10 surfaces (19) to the connection means of claim 1.

9. Middle connection means for introduction into a transferring device according to ~~claims 3-8~~ ^{claim 3}, **characterized** in that it comprises an outer contact unit (41) and an inner connection unit (31, 32, 33, 34)
15 whereby the contact unit (41) is releasably arranged in said middle connection unit (31, 32, 33, 34).

10. Middle connection means according to claim 9, **characterized** in that said middle connection unit (31, 32, 33, 34) comprises a number of contact metal sheet
20 for obtaining an electrical transfer.

11. Middle connection means according to claim 9, **characterized** in that the middle connection unit (31, 32, 33, 34) (31) comprises a through opening provided with a membrane (82).
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12. Middle connection means according to claim 9, **characterized** in that the outer contact unit (41) and the middle connection unit (31, 32, 33, 34) (31) are arranged to be released from each other at a predetermined load on the outer contact unit (41).
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